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(71) Applicant (for all designated States except US): GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by the SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES [US/US]; National Institute of Health, Office of Technology Transfer, 6011 Executive Blvd., Suite 325, Rockville, MD 20852-3804 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): QASBA, Pradman [US/US]; 9300 Cedarcrest, Bethesda, MD 20814 (US).

BOEGGEMAN, Elizabeth [US/US]; 17058 Catalpa Court, Rockville, MD 20855 (US). RAMAKRISHNAN, Boopathy [IN/US]; 2540 Candle Ridge Drive, Frederick, MD 21702 (US).

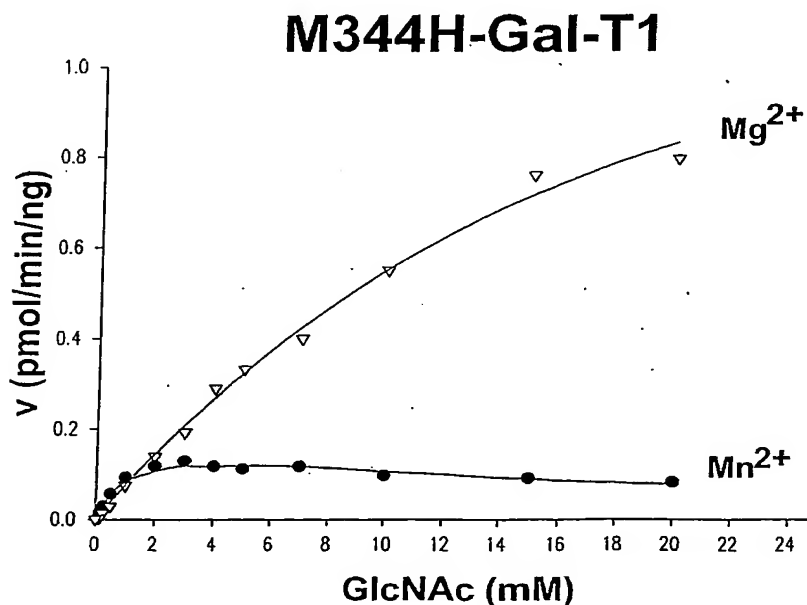
(74) Agent: STEFFEY, Charles, E.; Schwegman, Lundberg, Woessner & Kluth P.A., P.O. Box 2938, Minneapolis, MN 55402 (US).

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[Continued on next page]

(54) Title: CATALYTIC DOMAINS OF BETA(1,4)-GALACTOSYLTRANSFERASE I HAVING ALTERED METAL ION SPECIFICITY



(57) Abstract: Disclosed are mutants of galactosyltransferases that can catalyze formation of oligosaccharides in the presence of magnesium; mutants of galactosyltransferases having altered donor and acceptor specificity which can catalyze formation of oligosaccharides in the presence of magnesium; methods and compositions that can be used to synthesize oligosaccharides; methods for increasing the immunogenicity of an antigen; and methods to stabilize platelets.

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